

TECH CENTER 1600/2900

SEQ. ID. No. 76 SEQ. ID. No. 77 SEQ. ID. No. 78

HemAT-Hs HemAT-Bs

SWMb

FIG. 1A

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`	C& IRADE	300	

324	386	448	510	536	
283	345	407	469	489	
259	311	366	428	432	
K1    ** ** **   DUSSRTEQQAASLEETAASMEQLTATWKQNAENAR   DVSRETSSVSASVEEVASTADDVRRTSEDAEALAQ   DKSEGTSQASKAGTVTSSTVEEKSTGGKKELEVQQ	HCD RDTSTSSQKIADITSVIDGIAFQTNILALNAAVEA BQLGERAADVESVTGVIDDIAEQTNILALNASIEA VKLDEIAQQIEKIFGIVTGIAEQTNILSLNASIES	ARETKSLIEDSVGKVDVGS STRVEELVEQMQAETEETV VSTVSELVNNTN	** AVAEMDRVTQQNAALVEESAAAAAALEEQASRLTE ATDEQAVSTEEVAEMVDGVDBRAGELAAALDDLAD QSGKTDVDLQAELGGLQEVSRAVSHVAASVDSLVI	SEQ. ID. No. 79 SEQ. ID. No. 80 SEQ. ID. No. 81	FIG. 1B
LMRTWGDVRNGANAILYSGASEIATGNN	QASHLALSASETAQRGGKVVDNVVQTN	ARAGE <mark>QGRGFAVVA<mark>G</mark>EVRNLAQRS<mark>AQA</mark></mark>	VINRVTDIMGEIASASDEQSRGIDQVGLA	AVAVFRIQQQQRETSAV <mark>VKTVTPAAP</mark>	TECH CENTER 1600/2900
LEATSQDVAERTDTMRARTDDQVDRMA	QGEAAADDALATNTDIDEATDGVTAGV	ARAGEAGEGFAVVADEVKALAEESREQ	VERAMETEQEITDAVEDAASGNQEVSTA	ATDQQVRTVEEVRETVGKLS	
LHQKIQETSGSIANLESETSRSVQELV	KQNNKIDTSLVQIEKEN	ARAGEHGKGFAVVANEVRKLSEDTKKT	VSESKEKMTQINREFDEINVHSMKISKEQ	LTEE	
Tsr	Tsr	Tsr	Tsr	Tsr	
HemAT-Hs	HemAT-Hs	HemAT-Hs	HemAT-Hs	HemAT-Hs	
HemAT-Bs	HemAT-Bs	HemAT-Bs	HemAT-Bs	HemAT-Bs	

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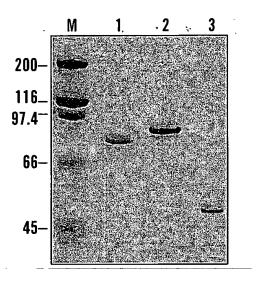


FIG. 2A

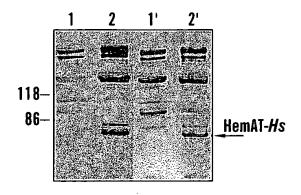


FIG. 2B

TECH CENTER 1800 SON

## MYOGLOBIN-LIKE PROTEIN (MbLP)

GQDVLVVLIKXHPLIQEKIXXFDFFKH

M1-B0X

SEQ. ID. NO. 82

AQRXRLAQIHAXKGKIPDWYL

M2-BOX Seq. Id. No. 83

AQRXRLAQIHAXKGKIPDWYL

GODVLVVLIKXNPEIQEKFFFKH

IIKXTVPVLXEHGXXI

TEMPLATE

M1-BOX Seq. Id. No. 85

H-BOX Seq. Id. No. 84

M2-B0X Seq. Id. No. 86

THE TWO SEQUENCES USED IN THE ANALYSES. M1 AND M2 ARE THE SITE OF MYOGLOBIN RECOGNITION. M2 IS THE SITE OF HEMAT RECOGNITION. THE H-BOX IS THE SITE PRIMARILY OF MICROBIAL HEMOGLOBIN RECOGNITION.

TOHOMITH MORES





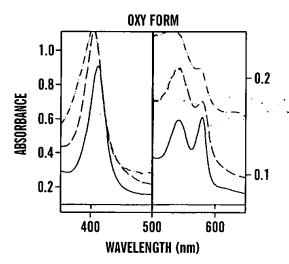




FIG. 4A

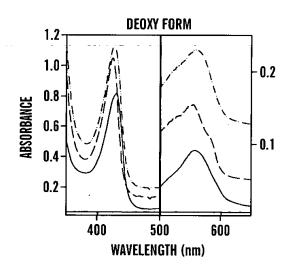
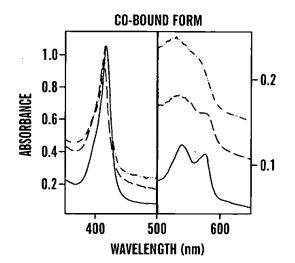




FIG. 4B

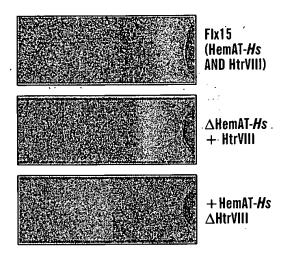


— — HemAT-*H*s --— HemAT-*B*s —— Mb

FIG. 4C

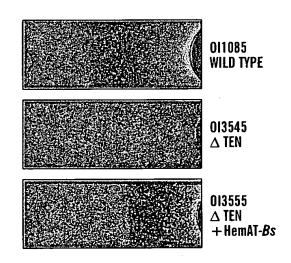
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H. SALINARUM

## FIG. 5A



**B. SUBTILIS** 

FIG. 5B

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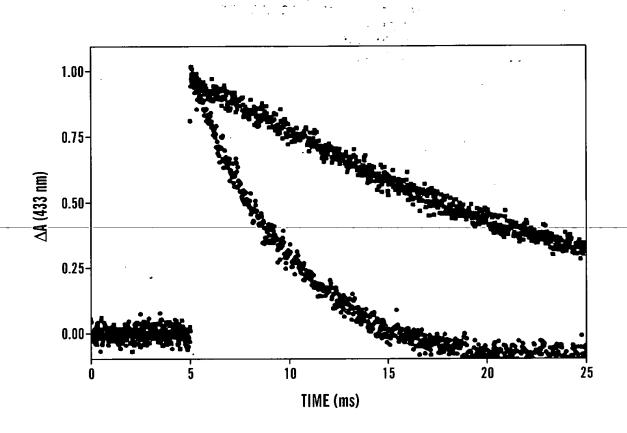


FIG. 6

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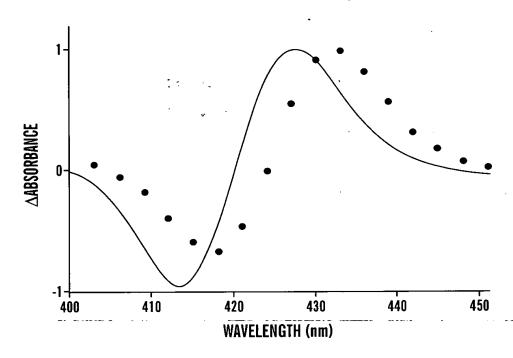
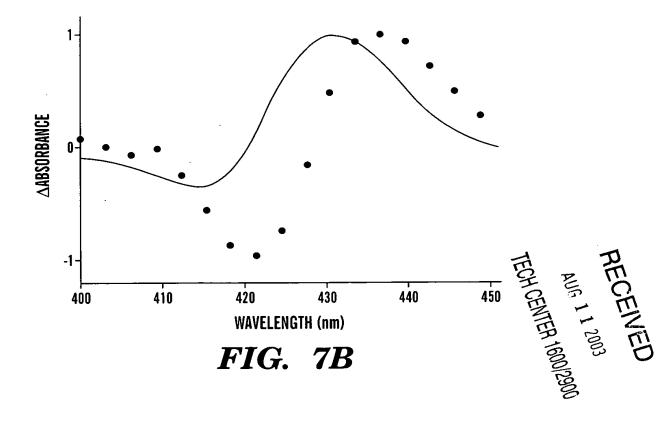


FIG. 7A





——— HORSE HEART Mb — — — Hemat-*H*s ----- Hemat-*B*s

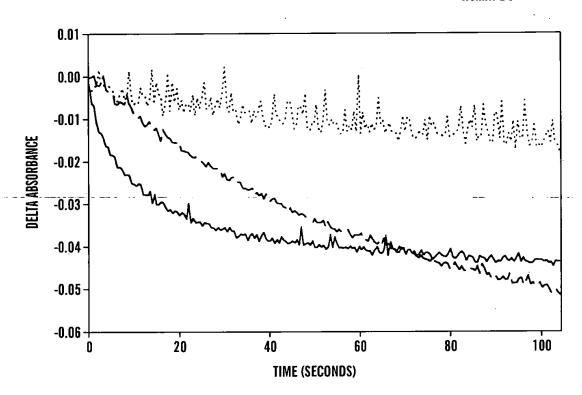


FIG. 8

TECHNET TOOS.